

Powerful graphics and 7 USB ports support provide excellent performance for daily



24/7 Reliability



DDR5
Memory



Triple
Storage



PCIe 4.0x4
M.2 SSD



HDMI CEC



USB 4



2.5G LAN



Wi-Fi 6E
802.11ax



Anti-Dust
Self-Cleaning



PD Input



AI
noise-canceling



8K



4 Displays

Maximum possibilities in only 0.9L compact size

- Powered by AMD Ryzen™ 6000H Series Processor with Radeon™ graphics
- Performance of Radeon™ graphics is better than entry-level discrete graphics
- DDR5-4800 memory support allows your computer to transfer data faster than DDR4
- Support two PCIe Gen4x4 SSD to deliver greater performance and lower latency
- 4 display located in the rear I/O panel including dual HDMI2.1
- Onboard 2.5GbE LAN delivering faster Ethernet connectivity

ExpertCenter series features:

Trustworthy

- Tested to MIL-STD-810H military standard to ensure it's ready for harsh environments
- 24/7 testing reduce maintenance cost and improve cost effectiveness
- Padlock-ring design for more security
- Eco-friendly design, recipients EPEAT Silver and ENERGY STAR

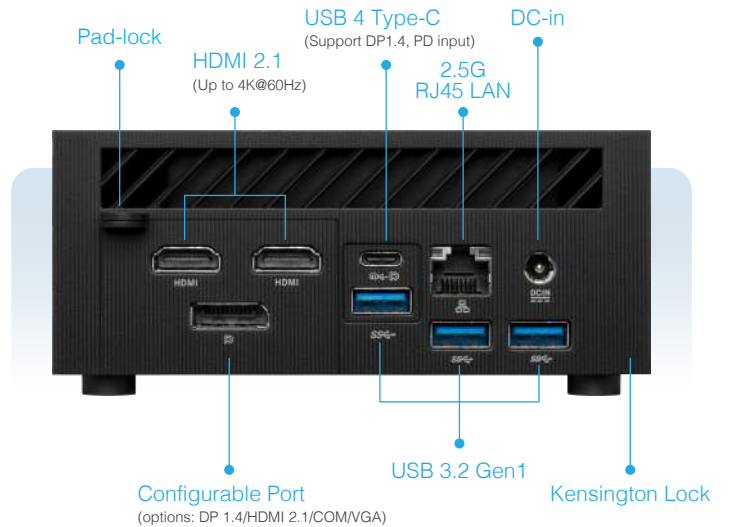
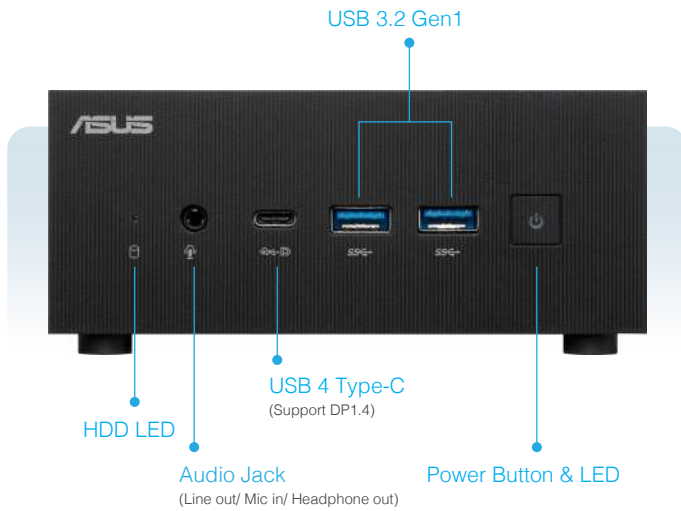
Professionalism

- Providing the flexibility to operate fan mode depends on your needs
- ASUS Control Center option for IT Management
- Two-Way AI Noise Cancellation provides crystal-clear online voice communication

Efficiency

- One configurable port support (options: Display Port 1.4/ HDMI2.1/ COM/ VGA)
- A total of 7 USB ports to connect external devices
- 2 easy steps optimization and upgrade

Over view:



Accessories list:



- Power Cord
- AC Adapter (80cm)
- Quick Start Guide & Warranty Card
- VESA Mount Kit (Optional)
- Keyboard & Mouse (Optional)
Wired / Wireless

Feature table:

Power	
PD input	Y
Extended Power Button	N
BIOS	
AC Power loss	Y
HDMI-CEC	Y
CrashFree	Y
EZ Flash	Y
BIOS Customization	Y
PXE/WOL	Y
USB Single Port Control	Y

Security	
fTPM 2.0	Y
dTPM 2.0	optional
Kensington lock	Y
Pad-lock	Y
Chassis Intrusion	N
Reliability	
24/7 Durability Test	Y
Military-grade Durability	Y
Anti-Surge	Y
Fanless	N

Remote	
ASUS Control Center	optional
Watchdog timer	optional
ASUS Cooperate Stable Model	N
MyLogo	N
MyASUS / CSM	
Smart Fan Control	Y
AI Noise Cancelation	Y
Wi-Fi Smart Connect	Y

Model		ASUS ExpertCenter PN53
OS		Windows®11 64bit, Windows®11 Pro 64bit, Linux, or W/O OS (Please check with local rep on validated Linux version)
CPU		AMD Ryzen™ 9 6900HX, Ryzen™ 7 6800H, Ryzen™ 5 6600H (cTDP:35W)
Chipset		Integrated
Graphics		Integrated - AMD Radeon™ Graphics 680M (R9/R7) or 660M (R5)
Memory		2 x DDR5 SO-DIMM slots for DDR5 4800 MHz, 1 x 8GB - 2 x 32GB (total)
Storage		1 x 6Gb/s SATA connector for 2.5" 1TB HDD/SSD* 2 x M.2 2280 PCIe Gen4 slot for 256GB - 2TB SSD* (NVMe only) *For higher capacity please refer to QVL (location: official website → Support → CPU / Memory Support)
Wireless Network		Wi-Fi 6E or Wi-Fi 6 and Bluetooth 5
LAN		Intel® LAN, 10/100/1000/2500 Mbps Supports Wake on LAN / PXE / Auto Power on / RTC Wake
Interface	Front I/O	1 x USB 4 Type-C (40 Gbps, support DP1.4) 2 x USB 3.2 Gen1 (5 Gbps) 1 x Audio Jack(Line out/ Mic in/ Headphone out) *All data transfer speed is according to ASUS testing result, actual performance may vary depending on objective environmental changes.
	Side I/O	1 x Kensington Lock
	Rear I/O	1 x USB 4 Type-C (40 Gbps, support DP1.4, PD input*) 3 x USB 3.2 Gen1 2 x HDMI 2.1 Port** 1 x Configurable Port (options: Display Port 1.4/ HDMI2.1/ COM/ VGA) 1 x Intel LAN (RJ45) 1 x Padlock ring **Power supply device need to support Power Delivery & at least 100W output. **Up to 4K resolution at 60Hz, full HDR support, HDCP 1.4 & 2.3.
TPM		fTPM 2.0 or TPM 2.0 chip (Optional)
BIOS Function		64 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.8, ACPI 5.0, Multi-language BIOS, ASUS EZ Flash 3, ASUS CrashFree BIOS 3, My Favorites, Quick Note and ASUS DRAM SPD (Serial Presence Detect) memory information
Software		The following software are included in OS: MyASUS, ASUS Product registration program, Asus Control Center test, Watchdog timer
Power Supply		19Vdc, 6.32A, 120W (i7-12700H/ i5-12500H) 19Vdc, 4.74A or 19.5Vdc, 4.62A 90W (i3-1220P)
Physical	Dimension	120 x 130 x 58 mm (0.9L)
	Weight	0.75 kg (barebone)
Max Resolution	HDMI	7680 x 4320 @ 60Hz
	DP	5120 x 2160 @ 60Hz
	VGA	1920 x 1200 @ 60Hz
Temperature	Operating	0°C~50°C
	Storage	-40°C~85°C
Humidity		0%~95% Relative Humidity
Acoustic	Idle mode	<25 dBA
	Full loading	<35 dBA * Test results will vary slightly depending on the HDD/SSD SKU selected by customer
Certificates		BSMI / CB / CE / FCC / UL / CCC / Energy Star / C-Tick / WiFi / RF / VCCI